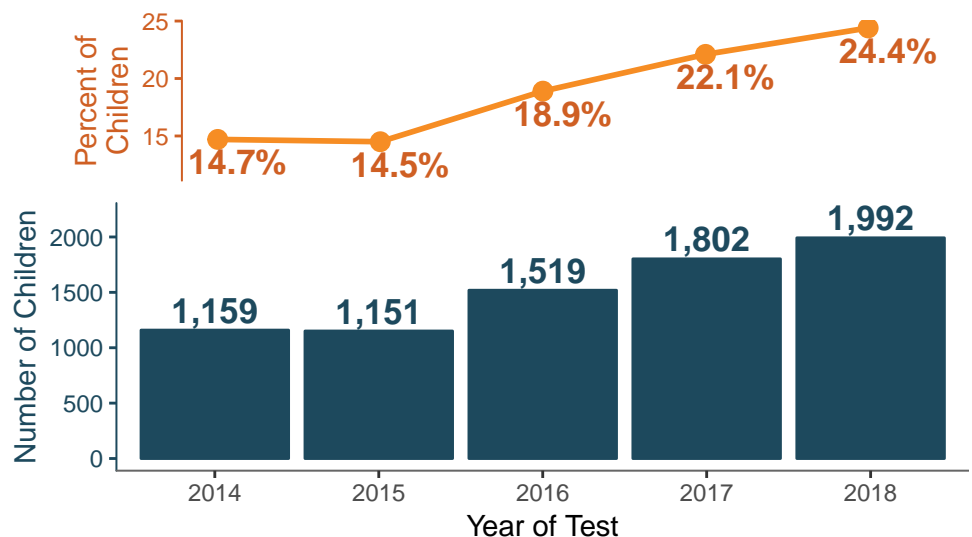


2018 LEAD EXPOSURE DATA BRIEF FOR THE SEACOAST REGION

Lead poisoning is entirely preventable. However, nearly 1 million children living in the United States have blood levels high enough to impair their ability to think, learn, and concentrate.

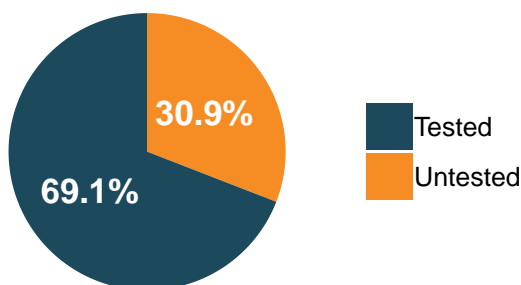
In 2018, 27 children (0 – 72 months old) in the Seacoast Region were identified with elevated blood lead levels of 5 ug/dL or higher.

Annual Number (and Percent) of Children, 0 to 72 Months Old, Tested for Blood Lead in the Seacoast Region 2014 – 2018



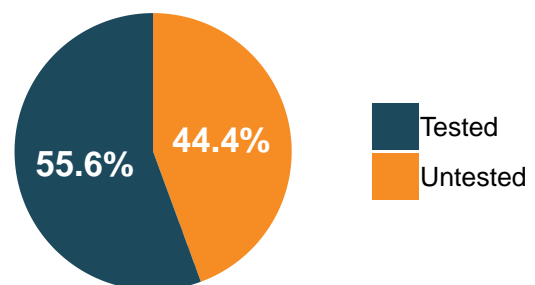
Percent of Children Tested per New Hampshire Screening and Management Guidelines

Percent of One-Year-Old Children Tested for Blood Lead



In 2018, 69.1% of one year-old (12–23 month-old) children residing in the Seacoast Region were tested for lead in their blood (938 of an estimated 1,357 children).

Percent of Two-Year-Old Children Tested for Blood Lead



In 2018, 55.6% of two year-old (24–35 month-old) children residing in the Seacoast Region were tested for lead in their blood (761 of an estimated 1,369 children).

In 2018, New Hampshire passed a state law requiring providers to conduct blood lead level tests for all one and two year-old children.

Childhood Lead Exposure by Town, 2018

TOWN	AGE GROUP (IN MONTHS)	POPULATION DPHS ESTIMATE 2018	NUMBER TESTED 2018	PERCENT TESTED (%) 2018	NUMBER WITH EBLL 5+ ug/dL 2018 ONLY	NUMBER WITH EBLL 5+ ug/dL 2014–2018	NUMBER WITH EBLL 10+ ug/dL VENOUS TESTS 2014–2018
BRENTWOOD	0 to 72	256	46	18	0	1 – 4	0
	12 to 23	39	23	59	0	1 – 4	0
	24 to 35	40	20	50	0	0	0
EPPING	0 to 72	463	138	30	1 – 4	14	1 – 4
	12 to 23	78	64	82	1 – 4	9	1 – 4
	24 to 35	79	63	80	1 – 4	1 – 4	0
EXETER	0 to 72	824	223	27	6	28	1 – 4
	12 to 23	132	102	77	1 – 4	15	0
	24 to 35	134	94	70	1 – 4	9	0
FREMONT	0 to 72	310	86	28	1 – 4	1 – 4	0
	12 to 23	51	35	69	0	1 – 4	0
	24 to 35	51	40	78	1 – 4	1 – 4	0
GREENLAND	0 to 72	250	44	18	0	1 – 4	0
	12 to 23	42	25	60	0	1 – 4	0
	24 to 35	42	12	29	0	0	0
HAMPTON	0 to 72	638	149	23	1 – 4	14	1 – 4
	12 to 23	106	73	69	0	7	0
	24 to 35	107	49	46	1 – 4	5	1 – 4
KINGSTON	0 to 72	327	89	27	1 – 4	1 – 4	0
	12 to 23	54	39	72	0	1 – 4	0
	24 to 35	54	40	74	1 – 4	1 – 4	0
NEWMARKET	0 to 72	654	143	22	1 – 4	29	5
	12 to 23	114	67	59	1 – 4	18	1 – 4
	24 to 35	115	51	44	0	1 – 4	0
NEWTON	0 to 72	331	115	35	1 – 4	7	1 – 4
	12 to 23	54	45	83	1 – 4	1 – 4	1 – 4
	24 to 35	55	40	73	0	0	0
NOTTINGHAM	0 to 72	377	78	21	1 – 4	6	0
	12 to 23	63	35	56	1 – 4	1 – 4	0
	24 to 35	64	37	58	1 – 4	1 – 4	0
PORTSMOUTH	0 to 72	1102	253	23	5	18	1 – 4
	12 to 23	187	141	75	1 – 4	7	0
	24 to 35	189	71	38	1 – 4	5	0
RAYMOND	0 to 72	672	184	27	1 – 4	27	1 – 4
	12 to 23	114	75	66	0	14	0
	24 to 35	115	75	65	1 – 4	1 – 4	0
RYE	0 to 72	237	32	14	0	1 – 4	0
	12 to 23	38	17	45	0	1 – 4	0
	24 to 35	38	13	34	0	0	0
SEABROOK	0 to 72	490	115	24	0	9	0
	12 to 23	85	51	60	0	1 – 4	0
	24 to 35	86	41	48	0	1 – 4	0
STRATHAM	0 to 72	450	88	20	0	1 – 4	1 – 4
	12 to 23	72	48	67	0	1 – 4	1 – 4
	24 to 35	73	32	44	0	0	0
SEACOAST	0 to 72	8155	1992	24	27	180	14
	12 to 23	1357	938	69	8	94	6
	24 to 35	1369	761	56	13	44	1 – 4

Childhood blood lead test data is from the NH Healthy Homes Childhood Lead Poisoning Prevention Program. Elevated blood lead levels (EBLL) 5+ ug/dL is defined as a venous or capillary blood test with a result of 5 micrograms per deciliter (ug/dL) or higher. Exact numbers or percents cannot be reported when there are 1–4 cases due to suppression guidelines to protect privacy.

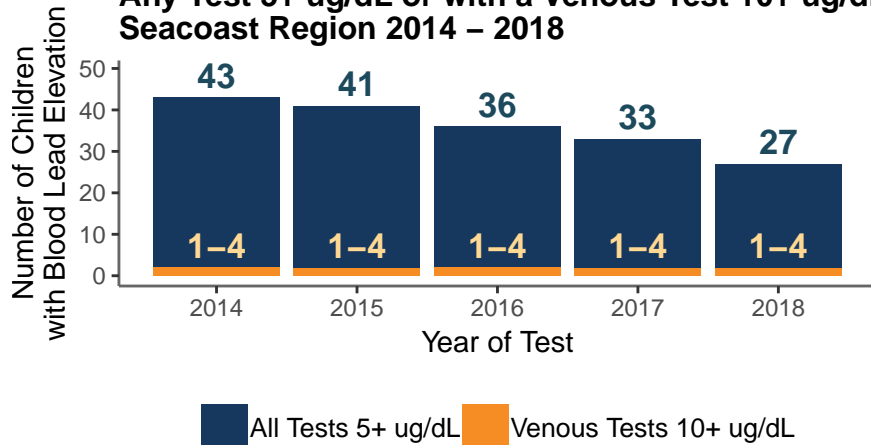
Childhood Lead Risk Factors by Town

TOWN	POPULATION UNDER 6 YO PERCENT (%)	HOUSING UNITS BUILT PRE-1950 PERCENT (%)	HOUSEHOLDS MOVED IN LAST YEAR PERCENT (%)	RENTED HOUSING UNITS W/ CHILDREN UNDER 6 YO PERCENT (%)	UNDER 6 YO LIVING BELOW FED. POVERTY LEVEL PERCENT (%)	UNDER 6 YO IN WITH NO HEALTH INSURANCE PERCENT (%)
BRENTWOOD	6	13	8.9	0	0	0
EPPING	9.9	13	6.6	0	4.1	0
EXETER	5.7	27	6.6	34	10.4	1.2
FREMONT	5.6	15	9.3	22	0	0
GREENLAND	6.9	10	8	4	0	0
HAMPTON	3.3	22	8.6	29	0.4	3.8
KINGSTON	8.1	18	9.1	29	7.7	0
NEWMARKET	6.3	28	16.3	35	1.4	16.1
NEWTON	5	14	4.9	38	0	0
NOTTINGHAM	6.3	18	3.1	4	0	3.8
PORTSMOUTH	5.3	43	13.5	46	7.8	1.3
RAYMOND	8	11	8.4	43	4.8	0
RYE	3.5	21	2	12	14.4	0
SEABROOK	3.7	10	7.4	51	3.1	8.8
STRATHAM	6	7	8.6	4	0	5.2
SEACOAST	5.6	22	8.9	26	4.2	2.8

Risk factor data is from the American Community Survey (ACS), 5–Year Estimate Data (2013–2017). Percent of renters with children under 6 yo was calculated from housing units with known occupancy status and known age of occupants. Under 6 yo living below federal poverty level was calculated from the number of children in households with income less than the federal poverty level for whom poverty status was determined. Note, percentages for smaller towns may have a large error.

Childhood Lead Exposure

Annual Number of Children 0 to 72 Months Old with Any Test 5+ ug/dL or with a Venous Test 10+ ug/dL Seacoast Region 2014 – 2018



It only takes a speck of lead dust the size of a grain of salt to poison a child

Number of Children 0 to 72 Months Old with Elevated Blood Lead Levels 5+ ug/dL by Town (or Census Tract) in the Seacoast Region, 2014–2018

